Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 200

5. Lease Serial No.

	-,70C- /////	GISLO	71745
APPLICATION FOR PERMIT	TO DRILL OR REENTER	6. If Indian, Allottee or Tribe I N/A	Vame
la. Type of Work: DRILL REENTER		7. If Unit or CA Agreement, N BRENNAN BOTTOM	ame and No.
lb. Type of Well: So Oil Well ☐ Gas Well ☐ Oth	er 🕟 Single Zone 🗀 Multiple Zone	8. Lease Name and Well No. BRENNAN BOTTOM U	NIT 1HG-18-7-21
	JOHN BUSCH E-Mail: jbusch@shenandoahenergy.com	9. API Well No.	47-34545
3a. Address 11002 E. 17500 S. VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435.781.4341 Fx: 435.781.4323	10. Field and Pool, or Explora BRENNAN BOTTOM	tory
4. Location of Well (Report location clearly and in accorda	nce with any State requirements.*)	11. Sec., T., R., M., or Blk. and	d Survey or Area
	452548 40.21668 19877 - 109.59122	Sec 18 T7S R21E Mer	· SLB
At proposed prod. zone SWSE 660FML 1500FEL	4451354 40.20595 619675 -109.59382		
14. Distance in miles and direction from nearest town or post 16 +/- MILES NORHTWEST OF REDWASH, UT		12. County or Parish UINTAH	13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of Acres in Lease	17. Spacing Unit dedicated to	this well
691' +/-	40.00	157.26	
18. Distance from proposed location to nearest well, drilling,	19. Proposed Depth	20. BLM/BIA Bond No. on fil	le .
completed, applied for, on this lease, ft. 1800' +/-	10550 MD 6575 TVD	U-0969	
21. Elevations (Show whether DF, KB, RT, GL, etc. 4717 KB	22. Approximate date work will start	23. Estimated duration 20+ DAYS	
	24. Attachments		
The following, completed in accordance with the requirements of	f Onshore Oil and Gas Order No. 1, shall be attached to	this form:	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Syst SUPO shall be filed with the appropriate Forest Service Of 	Item 20 above). 5. Operator certification	ons unless covered by an existing formation and/or plans as may be	·
Sol o mini so mot will no appropriate total outside of	authorized officer.	, , , , , , , , , , , , , , , , , , ,	
25. Signature lohBush	Typed)		Date 04/26/2002
Title OPERATIONS			
Approved by (Signature)	Name (Printed/Typed)		Date 06-10-0 Z
Title	Office SPECIALIST III		
Application approval does not warrant or certify the applicant hoperations thereon. Conditions of approval, if any, are attached.	olds legal or equitable title to those rights in the subject k	ase which would entitle the appli	cant to conduct
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, States any false. fictitious or fraudulent statements or representations.	make it a crime for any person knowingly and willfully t	o make to any department or ager	acy of the United

Additional Operator Remarks (see next page)

Electronic Submission #11095 verified by the BLM Well Information System For SHENANDOAH ENERGY INC., will be sent to the Vernal

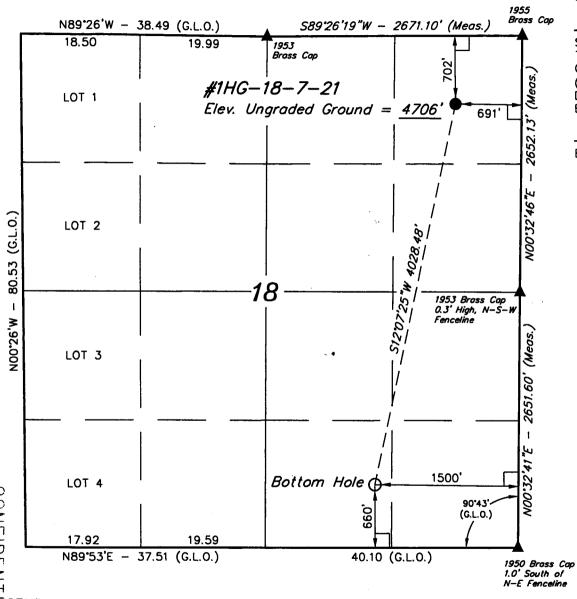
RECEIVED

APR 2 9 2002

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

T7S, R21E, S.L.B.&M.



SHENANDOAH ENERGY, INC.

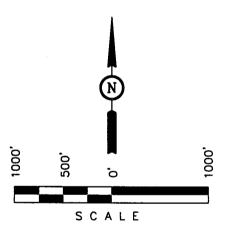
Well location, #1HG-18-7-21, located as shown in the NE 1/4 NE 1/4 of Section 18, T7S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 18, 175, R21E, S.L.B.&M. TAKEN FROM THE BRENNAN BASIN QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4698 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY WE OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO BEST OF MY KNOWLEDGE AND BELIEF

REGISTERED LAND SURVEYOR REGISTER TION NO. 161319

REVISED: 4-18-02 D.COX

UINTAH ENGINEERING & LAND, SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE

1" = 1000'

PARTY

D.A. J.A. D.COX

WEATHER

WARM

DATE SURVEYED:

4-8-02

4-9-02

REFERENCES

G.L.O. PLAT

FILE

SHENANDOAH ENERGY, INC.

EGEND:

= 90° SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)

LATITUDE = $40^{\circ}12'59.94''$ (40.216650)

LONGITUDE = $109^{\circ}35'29.72"$ (109.591589)



May 6, 2002

Division of Oil, Gas & Mining 1594 W. N Temple, STE 1210 Salt Lake City, UT 84114

Attention: Lisha Cordova

Dear Lisha:

The enclosed are copies of the additional information needed to complete the BBU 1HG-18-7-21 APD. Please attach this information to your copy of the APD.

If you have any question please contact Raleen Searle at (435) 781-4309.

Thank you,

Raleen Searle

Regulatory Affairs Analyst

Enclosures

RECEIVED

MAY 0 8 2002

DIVISION OF OIL, CAS AND MINING

ONSHORE OIL & GAS ORDER NO. 1 Shenandoah Energy Inc. Brennan Bottom Unit 1HG-18-7-21

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation	TMD	TVD
Uinta	Surface	Surface
Green River	3477'	3477'
Mahogany Ledge	4767'	4767'
Mesa	6882'	6616'
TD (Green River)	10,550'	6575'

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	TMD	TVD
Oil	Green River	10,550'	6575

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah.

Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted.

MAY 0 8 2002

ONSHORE OIL & GAS ORDER NO. 1

Shenandoah Energy Inc.

Brennan Bottom Unit 1HG-18-7-21

DRILLING PROGRAM

- 3. Operator's Specification for Pressure Control Equipment:
 - A. 3,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
 - B. Functional test daily
 - C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
 - D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing whichever is less. Tests shall be done at the time of installation, prior to drilling out and weekly. All tests shall be for a period of 15 minutes

4. Casing	g Program				
	Depth	Hole Size	Csg Size Type	Weig	ht
					
Surface	600'	12-1/4"	9-5/8"	K-55	36lb/ft (new)
Intermediate	6835'	8 3/4"	7" J-55 – N	-80 (First 500' &	Last 500') 20-23lb/ft (new)
Production	10,550	6 1/4"	Open Hole		

5. Auxiliary Equipment

- A. Kelly Cock yes
- B. Float at the bit no
- C. Monitoring equipment on the mud system visually
- D. Full opening safety valve on the rig floor yes
- E. Rotating Head yes
- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').

ONSHORE OIL & GAS ORDER NO. 1 Shenandoah Energy Inc. Brennan Bottom Unit 1HG-18-7-21

DRILLING PROGRAM

- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.
- 6. Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

- 6. Testing, logging and coring program
 - A. Cores none anticipated
 - B. DST none anticipated

Logging – Mud logging – 4500 to TD GR-SP-Induction Neutron Density MRI

C. Formation and Completion Interval: Green River interval, final determination 0f completion will be made by analysis of logs.
 Stimulation – Stimulation will be designed for the particular area of interest as encountered.

ONSHORE OIL & GAS ORDER NO. 1

Shenandoah Energy Inc.

Brennan Bottom Unit 1HG-18-7-21

DRILLING PROGRAM

7. Cementing Program

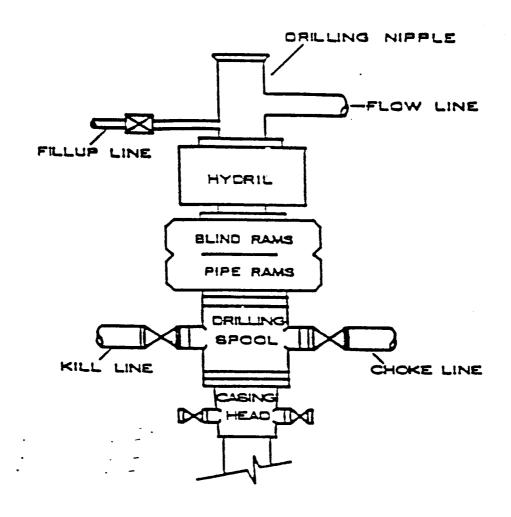
Casing	Volume	Type & Additives
Surface	257 sx	Class "G" single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 160 cf (257 sx) calculated. Tail plug used. Allowed to set under pressure
Production	Lead-719 sx* Tail-90 sx*	Lead/Tail oilfield type cement circulated in place . Tail slurry: Class "G" + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to 6535' (±300' above top of Lower Green River). Cement Characteristics: Lead slurry: Class "G" + extender and additives as required, mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

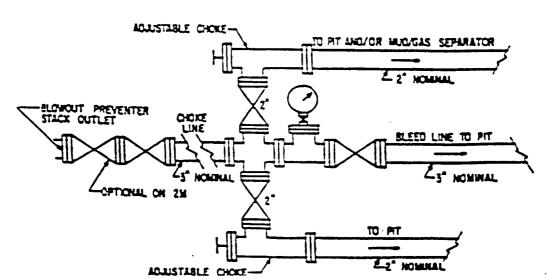
^{*}Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 2630.0 psi. Maximum anticipated bottom hole temperature is 140° F.

SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK





WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVE	D: 04/29/2002	API NO. ASSIGNE	ED: 43-047-3456	5
WELL NAME: OPERATOR: CONTACT:	BRENNAN BOTTOM 1HG-18-7-21 SHENANDOAH ENERGY INC (N4235 JOHN BUSCH	PHONE NUMBER: 43	35-781-4341	
PROPOSED LO		INSPECT LOCATN	BY: / /	
NENE SURFACE:	18 070S 210E : 0702 FNL 0691 FEL	Tech Review	Initials	Date
BOTTOM: UINTAH	0660 FSL 1500 FEL	Engineering		
BRENNAN	BOTTOM (560)	Geology		
LEASE TYPE:	1 - Federal	Surface	· (#	
SURFACE OWN	R: UTSL-071745 ER: 1 - Federal RMATION: GRRV	LATITUDE:		
Plat Bond: (No. Potas N Oil S Water (No. RDCC (Dat	TD/OR REVIEWED: Fed[1] Ind[] Sta[] Fee[] U-0969	Siting: 460 F R649-3-3. E Drilling Uni Board Cause Eff Date: Siting:	General Seneral Prom Qtr/Qtr & 920' Exception	Bea. Siling
	Sop, Seperate file 15: 1- Feared Approva O			
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	



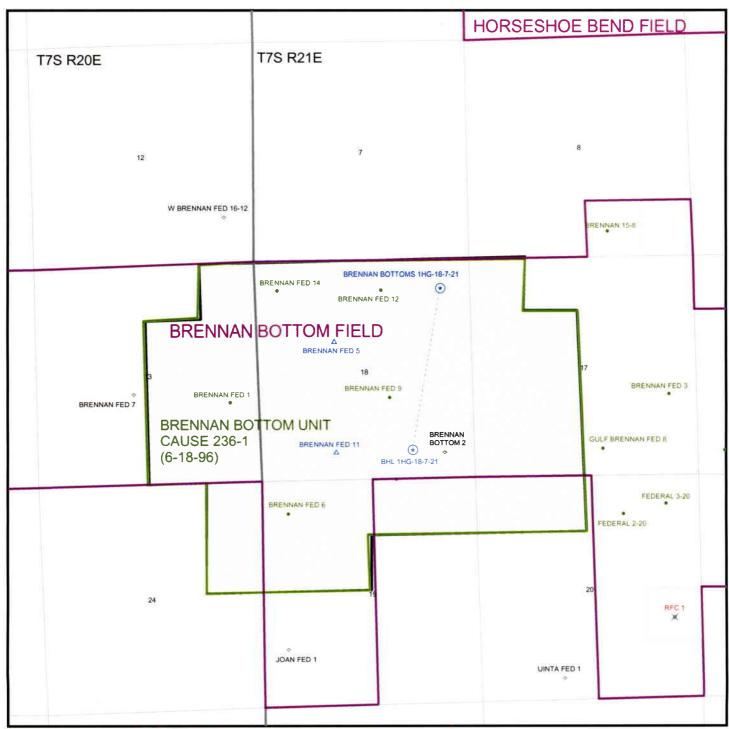
OPERATOR: SHENANDOAH ENERGY (N4235)

SEC. 18, T7S, R21E

FIELD: BRENNAN BOTTOM (560)

COUNTY: UINTAH UNIT: BRENNAN BOTTOM

CAUSE: 236-1 & HORIZ DRL



PREPARED BY: LCORDOVA DATE: 2-MAY-2002

Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000

BUREAU OF LAND N	UTSLO71745 BHL L	ease Ho.		
APPLICATION FOR PERMIT 1	6. If Indian, Allottee or Tribe N N/A	ame		
1a. Type of Work: ■ DRILL □ REENTER CONFIDENTIAL			7. If Unit or CA Agreement, N BRENNAN BOTTOMS	ame and No.
1b. Type of Well: 🖸 Oil Well 📋 Gas Well 🔲 Oth	er ⊠ Singl	e Zone 🔲 Multiple Zone	Lease Name and Well No. BRENNAN BOTTOMS UI	NIT 1HG-18-7-21
	JOHN BUSCH E-Mail: jbusch@shenandd	pahenergy.com	9. API Well No.	
3a. Address 11002 E. 17500 S. VERNAL, UT 84078	3b. Phone No. (include Ph: 435.781.4341 Fx: 435.781.4323	e area code)	10. Field and Pool, or Explorat BRENNAN BOTTOM	ory
4. Location of Well (Report location clearly and in accordance	nce with any State requir	rements.*)	11. Sec., T., R., M., or Blk. and	Survey or Area
At surface NENE 702FNL 691FEL			Sec 18 T7S R21E Mer	SLB
At proposed prod. zone SWSE 660FNL 1500FEL				
14. Distance in miles and direction from nearest town or post of 16 +/- MILES NORHTWEST OF REDWASH, UT			12. County or Parish UINTAH	13. State UT
15. Distance from proposed location to nearest property or	16. No. of Acres in Le	ease	17. Spacing Unit dedicated to	his well
lease line, ft. (Also to nearest drig, unit line, if any) 691' +/-	751.09		40.00	
18. Distance from proposed location to nearest well, drilling,	19. Proposed Depth		20. BLM/BIA Bond No. on file	
completed, applied for, on this lease, $\hat{\pi}$. 1800' +/-	10550 MD 6575 TVD		U-0969	
21. Elevations (Show whether DF, KB, RT, GL, etc. 4717 KB	22. Approximate date work will start		23. Estimated duration 20+ DAYS	
	24. Atta	achments		
The following, completed in accordance with the requirements or	f Onshore Oil and Gas O	order No. 1, shall be attached to t	his form:	
Well plat certified by a registered surveyor. A Drilling Plan.		Item 20 above).	ns unless covered by an existing	bond on file (see
A Surface Use Plan (if the location is on National Forest Syst SUPO shall be filed with the appropriate Forest Service Of		Operator certification Such other site specific infauthorized officer.	formation and/or plans as may be	required by the
25. Signature	Name (Printed Typed) JOHN BUSCH)		Date 04/29/2002
Title OPERATIONS	John Dodon		<u> </u>	
Approved by (Signature)	Name (Printed Typed)			Date
Title	Office			
Application approval does not warrant or certify the applicant hoperations thereon. Conditions of approval, if any, are attached.	olds legal or equitable tit	le to those rights in the subject le	ase which would entitle the appli	cant to conduct
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212. States any false. fictitious or frauchilent statements or representa	make it a crime for any p tions as to any matter wi	person knowingly and willfully to thin its jurisdiction.	o make to any department or ager	cy of the United

Additional Operator Remarks (see next page)

Electronic Submission #11095 verified by the BLM Well Information System For SHENANDOAH ENERGY INC., will be sent to the Vernal RECEIVED

APR 3 0 2002

DIVISION OF OIL, GAS AND MINING



SHENANDOAH ENERGY INC. BBU 1HG-18-7-21

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation .	TMD	TVD
Uinta	Surface	Surface
Green River	3477	3477
Mahogany Ledge	4767	4767
Mesa	6882	6616
TD (Green River)	10550	6575

2. Anticipated Depths of Oil, Gas, Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation Programme 1	TMD	TVD
Oil	Green River	10550	6575

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted.

3. Anticipated Bottom Hole Pressures

Maximum anticipated bottom hole pressure equals approximately 2630.0 psi.

SHENANDOAH ENERGY INC.
BRENNAN BOTTOMS UNIT 1HG-18-7-21
SURFACE: 702' FNL, 691' FEL
NENE, SECTION 18, T7S, R21E
PROPOSED PROD. ZONE: 660' FSL, 1500' FEL
SWSE, SECTION 18, T7S, R21E
UINTAH COUNTY, UTAH
LEASE # UTU-046

ONSHORE ORDER NO. 1

MULTI - POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the BBU IHG -18-7-21 on April 25, 2002 at approximately 1:20 PM. Weather conditions were sunny and partly cloudy at the time of the onsite. In attendance at the inspection were the following individuals:

Byron Tolman
Paul Bueller
Dixie Saddleir
John Busch
Raleen Searle
Bureau of Land Management
Bureau of Land Management
Bureau of Land Management
Shenandoah Energy Inc.
Shenandoah Energy Inc.

1. Existing Roads:

The proposed well site is approximately 16 miles northwest of Red Wash, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 - mile radius.

There will be no improvements made to existing access roads.

2. Planned Access Roads:

Please see Shenandoah Energy Inc. Standard Operating Practices for Green River Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

Refer to Topo Map B for the location of the proposed access road.

3. Location of Existing Wells Within a 1 - Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see Shenandoah Energy Inc. Standard Operating Practices for Green River Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

Refer to Topo Map D for the location of the proposed pipeline.

5. Location and Type of Water Supply:

Please see Shenandoah Energy Inc. Standard Operating Practices for Green River Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

The Fresh Water will be supplied as described in the Brennan Bottoms Field Development EA.

6. Source of Construction Materials:

Please see Shenandoah Energy Inc. Standard Operating Practices for Green River Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

7. Methods of Handling Waste Materials:

Please see Shenandoah Energy Inc. Standard Operating Practices for Green River Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

8. Ancillary Facilities:

Please see Shenandoah Energy Inc. Standard Operating Practices for Green River Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A pit liner is required.

10. Plans for Reclamation of the Surface:

Please see Shenandoah energy Inc. Standard Operating Practices for Green River Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Township 07 and 08 South, Ranges 21 to 24 East.

Seed mix:

Fourwing saltbush A triplex canescens 4lbs/acre Indian rice grass Oryzopsis hymenoides A triplex confretifolia 4lbs/acre

11. Surface Ownership:

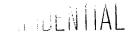
The well pad and access road are located on lands owned by:

Bureau of Land Management 170 South 500 East Vernal, Utah 84078 (435) 781-4400

12. Other information

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

There is a Burrowing Owl stipulation from April 1st to August 15th. No construction will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.



Lessee's or Operator's Representative:

John Busch Red Wash Operations Rep. Shenandoah Energy Inc. 11002 East 17500 South Vernal, Utah 84078 (435) 781-4341

Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Shenandoah Energy Inc. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Shenandoah Energy Inc. its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

John Burch	26-Apr-02
John Busch	Date
Red Wash Operations Representative	

CUNFIDENTIAL

Additional Operator Remarks:

Shenandoah Energy Inc. proposes to drill a well to 6575' TVD and 10550' TMD to test the Green River. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

Please see Shenandoah Energy Inc. Standard Operating Practices for Green River Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 and 24 East.

See Onshore Order No. 1 attached

Please be advised that Shenandoah Energy Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. U-0969. The principal is Shenandoah Energy Inc. via surety as consent as provided for the 43 CFR 3104.2.



Shenandoah Energy, Inc.

Utah
Uintah County
Sec. 18-T7S-R21E
BBU #1HG-18-7-21
Revised: 15 April, 2002

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PROPOSAL REPORT

15 April, 2002



Proposal Ref: pro7379



Sperry-Sun Drilling Services Proposal Report for BBU #1HG-18-7-21 Revised: 15 April, 2002



Shenandoah Energy, Inc. Utah

Uintah County Sec. 18-T7S-R21E

Measured Depth (ft)	inci.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
6206.99	0.000	0.000	6206.99	0.00 N	0.00 E	0.00	0.000
6220.00	1.821	191.802	6220.00	0.20 S	0.04 W	0.21	14.000
6240.00	4.621	191.802	6239.96	1.30 S	0.27 W	1.33	14.000
6260.00	7.421	191.802	6259.85	3.36 S	0.70 W	3.43	14.000
6280.00	10.221	191.802	6279.61	6.36 S	1.33 W	6.49	14.000
6300.00	13.021	191.802	6299.20	10.30 S	2.15 W	10.52	14.000
6320.00	15.821	191.802	6318.57	15.18 S	3.17 W	15.50	14.000
6340.00	18.621	191.802	6337.67	20.97 S	4.38 W	21.42	14.000
6360.00	21.421	191.802	6356.46	27.67 S	5.78 W	28.27	14.000
6380.00	24.221	191.802	6374.89	35.26 S	7.37 W	36.03	14.000
6400.00	27.021	191.802	6392.92	43.73 S	9.14 W	44.67	14.000
6420.00	29.821	191.802	6410.51	53.05 S	11.08 W	54.19	14.000
6440.00	32.621	191.802	6427.61	63.19 S	13.20 W	64.56	14.000
6460.00	35.421	191.802	6444.19	74.15 S	15.49 W	75.75	14.000
6480.00	38.221	191.802	6460.20	85.88 S	17.94 W	87.73	14.000
6500.00	41.021	191.802	6475.60	98.36 S	20.55 W	100.48	14.000
6520.00	43.821	191.802	6490.36	111.57 S	23.31 W	113.97	14.000
6540.00	46.621	191.802	6504.45	125.46 S	26.21 W	128.17	14.000
6560.00	49.421	191.802	6517.83	140.01 S	29.26 W	143.04	14.000
6580.00	52.221	191.802	6530.46	155.19 S	32.43 W	158.54	14.000
6600.00	55.021	191.802	6542.32	170.95 S	35.72 W	174.64	14.000
6620.00	57.821	191,802	6553.38	187.26 Ş	39.13 W	191.30	14.000
6640.00	60.621	191.802	6563.62	204.07 S	42.64 W	208.48	14.000
6660.00	63.421	191.802	6573.00	221.36 S	46.25 W	226.14	14.000
6680.00	66.221	191.802	6581.51	239.08 S	49.95 W	244.24	14.000
6700.00	69.021	191.802	6589.12	257.18 S	53.74 W	262.73	14.000
6720.00	71.821	191.802	6595.82	275.62 S	57.59 W	281.57	14.000
6740.00	74.621	191.802	6601.59	294.36 S	61.51 W	300.72	14.000
6760.00	77.421	191.802	6606.43	313.36 S	65.48 W	320.12	14.000
6780.00	80.221	191.802	6610.30	332.56 S	69.49 W	339.74	14.000
6800.00	83.021	191.802	6613.22	351.93 S	73.53 W	359.53	14.000
6820.00	85.821	191.802	6615.16	371.41 S	77.61 W	379.43	14.000
6835.57	88.000	191.802	6616.00	386.62 S	80.78 W	394.97	14.000
6840.00	88.266	191.802	6616.14	390.96 S	81.69 W	399.41	6.000
6860.00	89.466	191.802	6616.54	410.53 S	85.78 W	419.40	6.000
6880.00	90.666	191.802	6616.52	430.11 S	89.87 W	439.40	6.000
6882.32	90.805	191.802	6616.49	432.38 S	90.34 W	441.72	6.000
7000.00	90.805	191.802	6614.83	547.56 S	114.41 W	559.39	0.000
7500.00	90.805	191.802	6607.81	1036.95 S	216.67 W	1059.34	0.000
8000.00	90.805	191.802	6600.79	1526.33 S	318.92 W	1559.29	0.000
8500.00	90.805	191.802	6593.76	2015.71 S	421.18 W	2059.24	0.000
9000.00	90.805	191.803	6586.74	2505.09 S	523.44 W	2559.19	0.000
9500.00	90.805	191.803	6579.72	2994.47 S	625.70 W	3059.14	0.000
10000.00	90.805	191.803	6572.69	3483.85 S	727.96 W	3559.09	0.000

GUNFIDENTIAL

Sperry-Sun Drilling Services

Proposal Report for BBU #1HG-18-7-21 Revised: 15 April, 2002



Shenandoah Energy, Inc. Utah

Uintah County Sec. 18-T7S-R21E

Measured			Vertical		Vertical	Dogleg	
Depth (ft)	inci.	Azim.	Depth (ft)	Northings (ft)	Eastings (ft)	Section (ft)	Rate (°/100ft)
10500.00	90.805	191.803	6565.67	3973.23 S	830.23 W	4059.04	0.000
10547.78	90.805	191.803	6565.00	4020.00 S	840.00 W	4106.82	0.000

All data is in Feet (US) unless otherwise stated. Directions and coordinates are relative to True North. Vertical depths are relative to Well. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet (US). Vertical Section is from Well and calculated along an Azimuth of 191.802° (True).

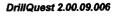
Based upon Minimum Curvature type calculations, at a Measured Depth of 10547.78ft., The Bottom Hole Displacement is 4106.82ft., in the Direction of 191.802° (True).

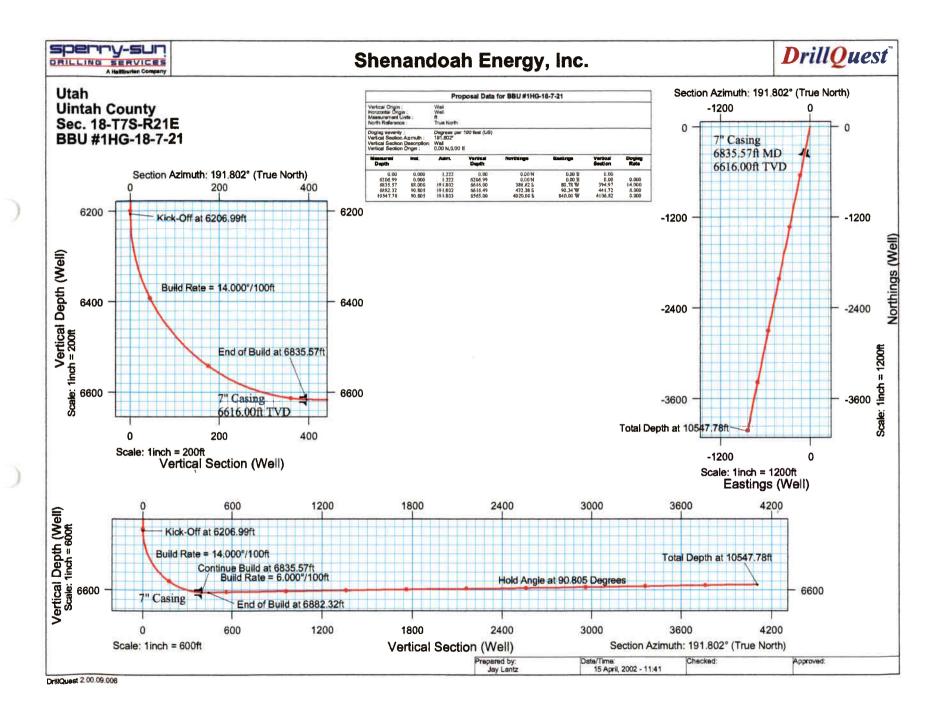
Comments

Measured	Sta	tion Coordi	nates	
Depth	TVD	Northings	Eastings	Comment
(ft)	(ft)	(ft)	(ft)	
6206.99	6206.99	0.00 N	0.00 E	Kick-Off at 6206.99ft
6521.28	6491.29	112.43 S	23.49 W	Build Rate = 14.000°/100ft
6835.57	6616.00	386.62 S	80.78 W	Continue Build at 6835.57ft
6858.94	6616.53	409.50 S	85.56 W	Build Rate = 6.000°/100ft
6882.32	6616.49	432.38 S	90.34 W	End of Build at 6882.32ft
8715.05	6590.74	2226.19 S	465.16 W	Hold Angle at 90.805 Degrees
10547.78	6565.00	4020.00 S	840.00 W	Total Depth at 10547.78ft

Casing details

Fr	o m	Ŧ	0	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Casing Detail
<surface></surface>	<surface></surface>	600.00 6835.57	600.00 6616.00	9 5/8" Casing 7" Casing





SHENANDOAH ENERGY, INC.

#1HG-18-7-21

LOCATED IN UINTAH COUNTY, UTAH SECTION 18, T7S, R21E, S.L.B.&M.

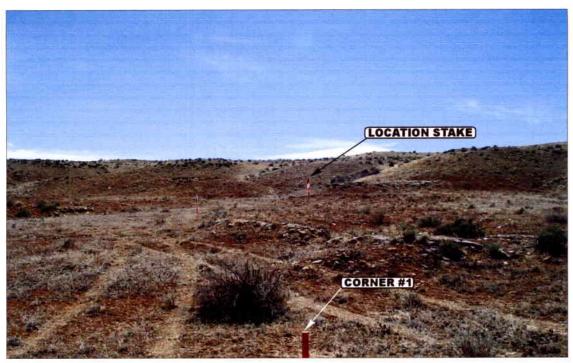


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY

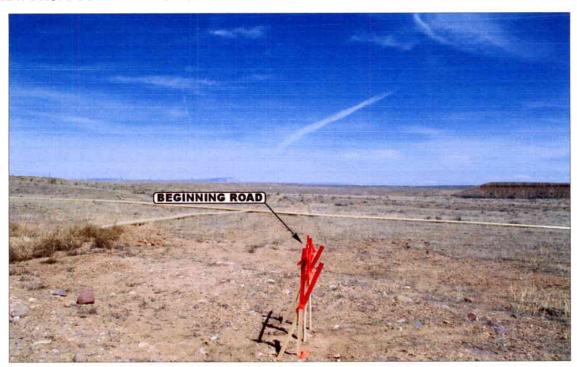
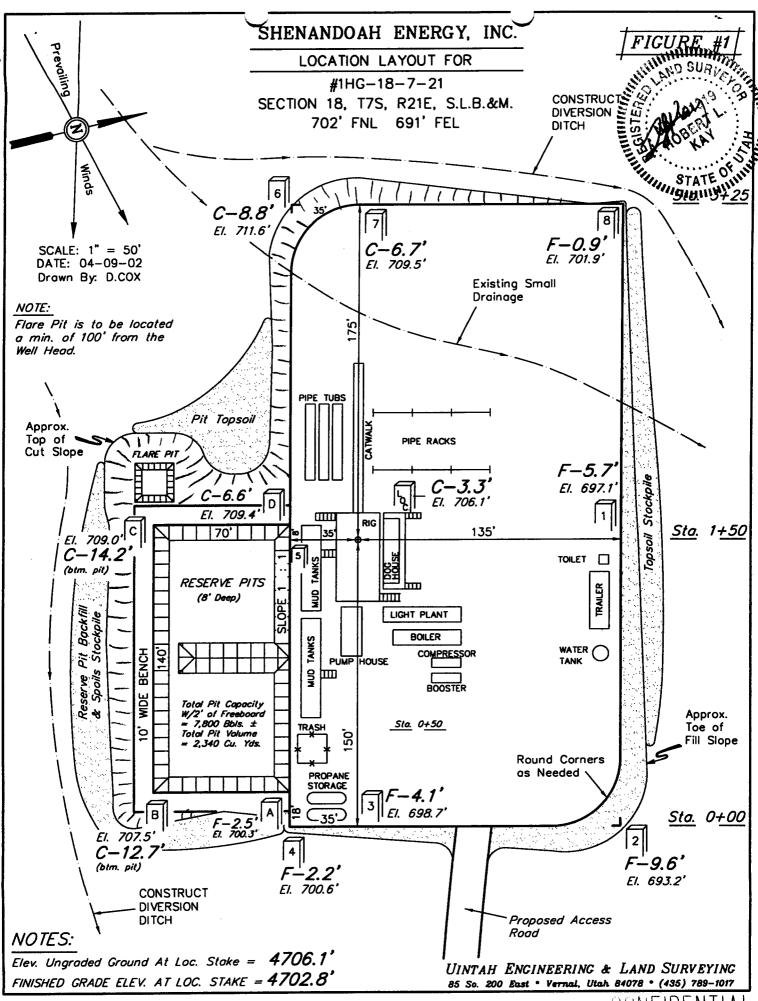


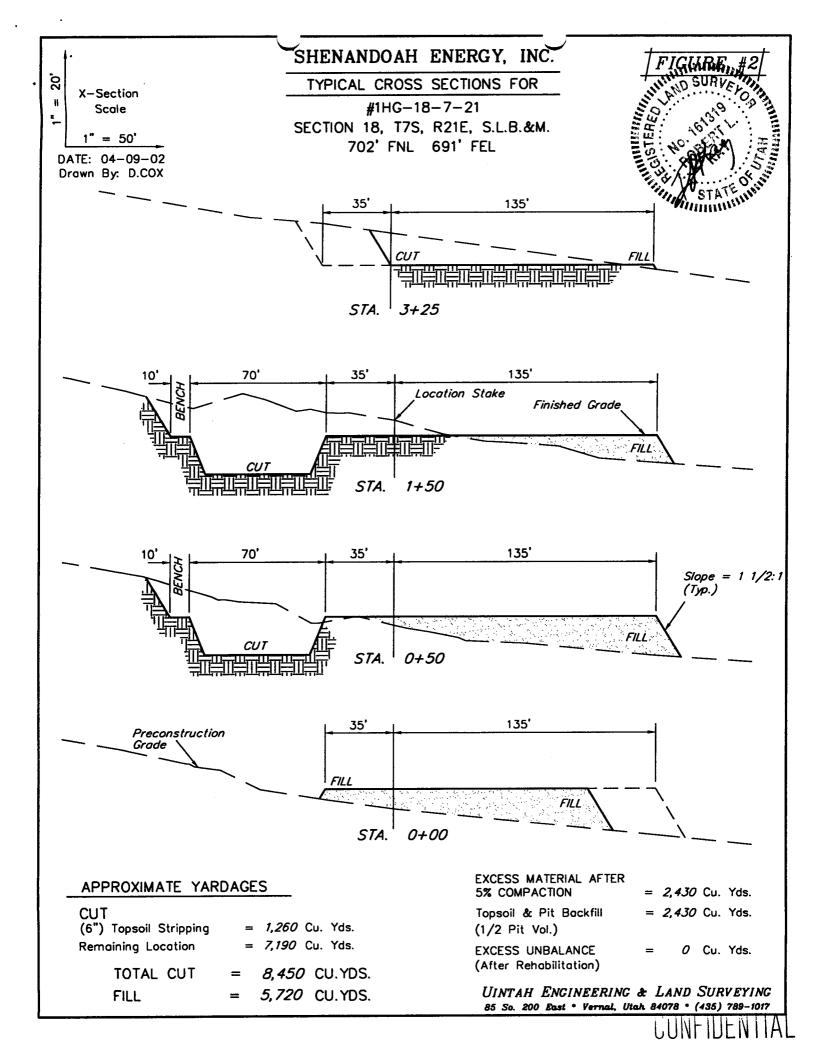
PHOTO: VIEW FROM BEGINNING OF PROPOSED ROAD

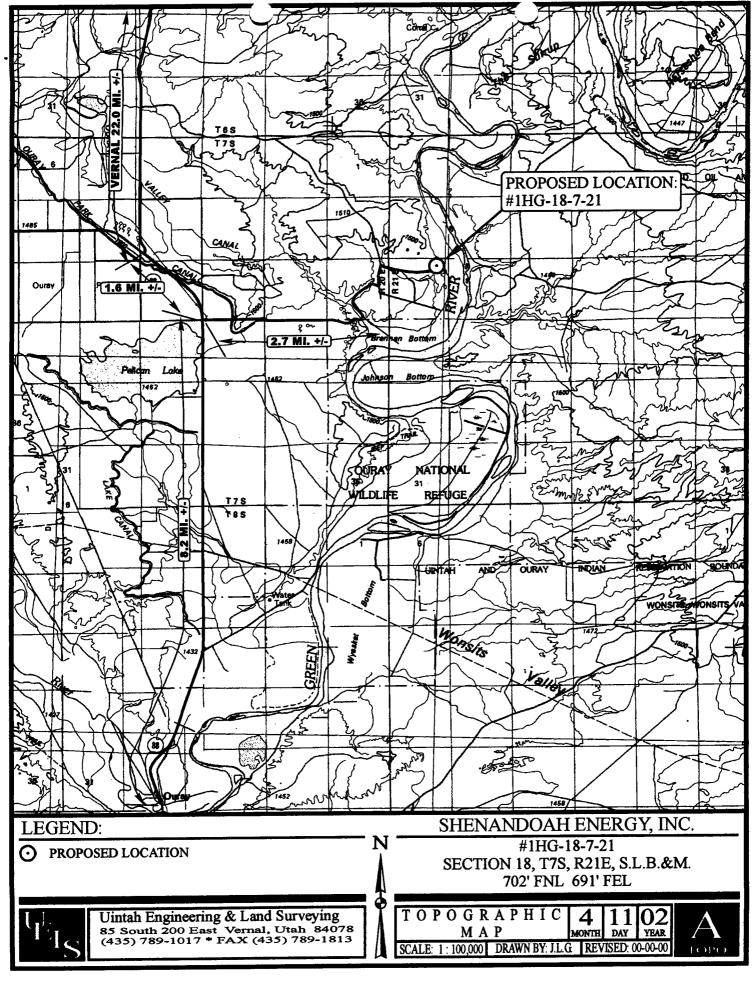
CAMERA ANGLE: NORTHEASTERLY

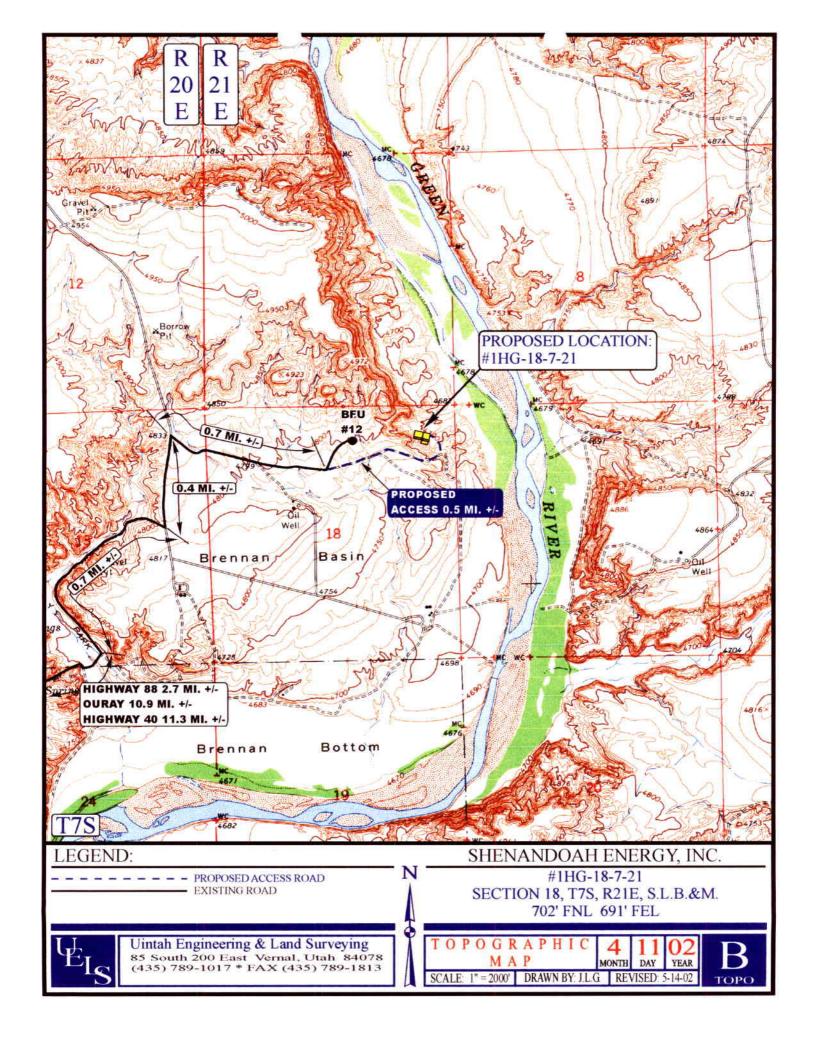


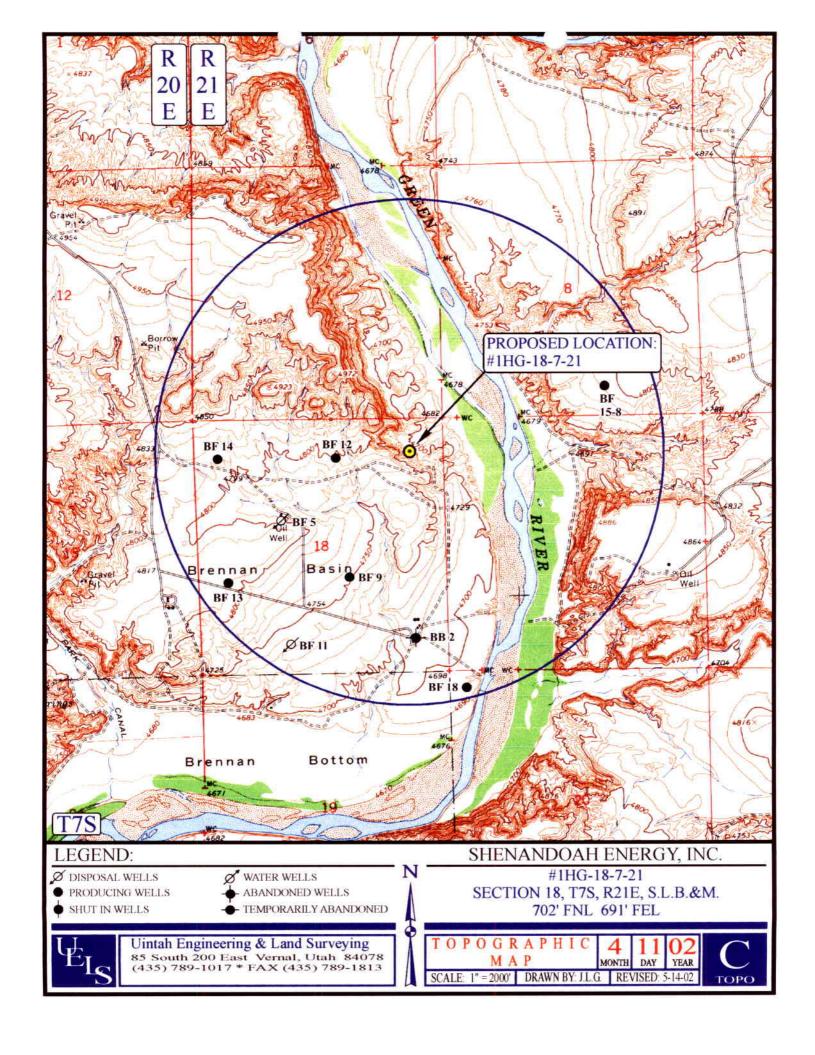


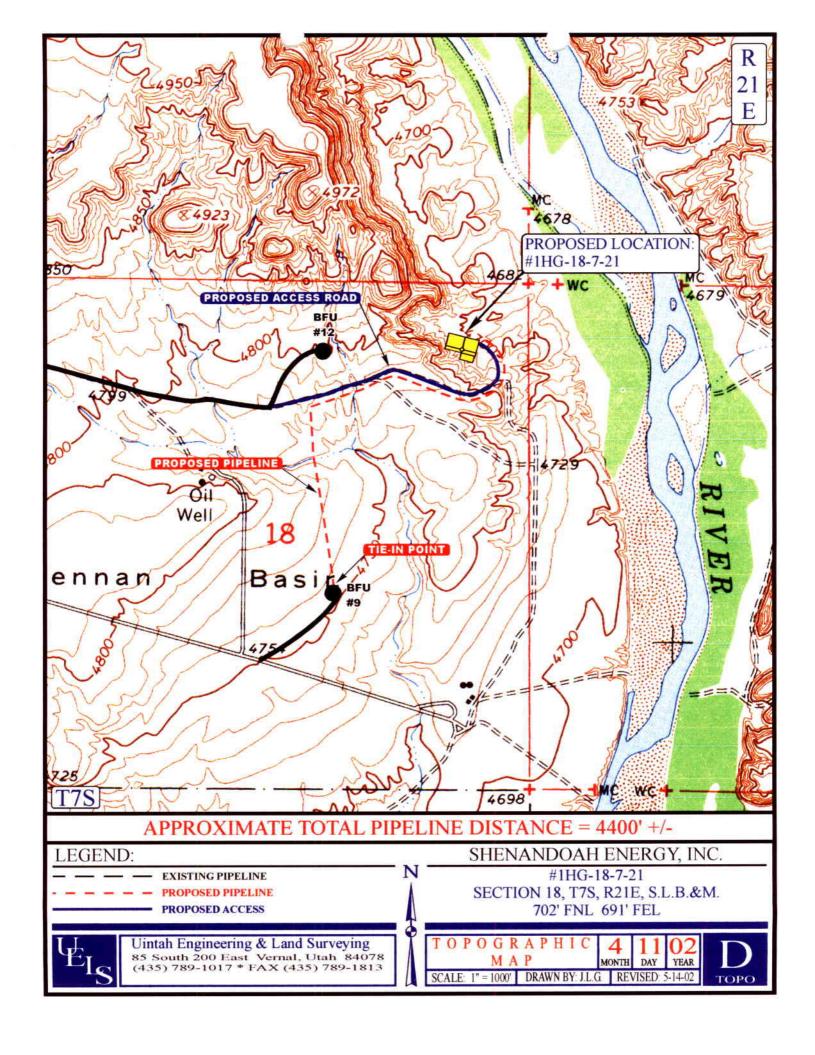
CUNFIDENTIAL











United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

May 3, 2002

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2002 Plan of Development Brennan Bottom Unit,

Uintah County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following well is planned for calendar year 2002 within the Brennan Bottom Unit, Uintah County, Utah.

Api Number Well Location

(Proposed PZ Green River)

43-047-34565 1HG-18-7-21 Sec. 18, T7s, R21E 0702 FNL 0691 FEL BHL 0660 FSL 1500 FEL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File - Brennan Bottom Unit

Division of Oil Gas and Mining

Agr. Sec. Chron Fluid Chron

MCoulthard:mc:5-3-02

RECEIVED

MAY 0 6 2002

DIVISION OF OIL, GAS AND MINING

SHENANDOAH ENERGY INC.

11002 East 17500 South Vernal, UT 84078 Phone: (435) 781-4300 Fax (435) 781-4329

June 5, 2002

Division of Oil, Gas & Mining 1594 W. N. Temple STE 1210 Salt Lake City, UT 84114-5801

To Whom It May Concern:

In the absence of special orders of the Board, no portion of the horizontal interval within the potentially productive formation shall be closer than six hundred-sixty (660) fee to a drilling or spacing unit boundary, federally unitized area boundary, uncommitted tract within a unit, or boundary line of a lease not committed to the drilling of such horizontal well. Please refer to the Oil and Gas Conservation General rule R649-3-2.3.

Shenandoah Energy Inc. Brennan Bottoms Unit 1HG-18-7-21 complies with this rule. This lease #(UTSL-071745) is under Brennan Bottoms Unit Agreement and all owners are committed under the Unit Agreement.

If you have any question please contact Raleen Searle @ (435) 781-4309.

Thank you,

Raleen Searle

Regulatory Affairs Analyst

Revised

RECEIVED

JUN 0 6 2002

DIVISION OF OIL, GAS AND MINING





Michael O. Leavitt Governor Kathleen Clarke **Executive Director** Lowell P. Braxton Lowell P. Braxton Division Director 801-538-7223 (TDD)

DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax)

June 10, 2002

Shenandoah Energy Inc. 11002 E 17500 S Vernal, UT 84078

Re:

Brennan Bottom 1HG-18-7-21 Well, Surface Location 702' FNL, 691' FEL, NE NE, Sec. 18, T. 7 South, R. 21 East, Bottom Location 660' FSL, 1500' FEL, SW SE, Sec. 18, T. 7 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34565.

Lildlen

John R. Baza
Associate Director

pb

Enclosures

cc:

Uintah County Assessor

Bureau of Land Management, Moab District Office

Operator:	Shenan	<u>doah Energy Inc.</u>					
Well Name & Number	Brennan Bottom 1HG-18-7-21						
API Number:	43-047	-34565					
Lease:	Surface UTU-046; Bottom Hole UTSL-071745						
Surface Location: <u>NE NE</u>	Sec. 18	T. <u>7 South</u>	R. 21 East				
Bottom Location: SW SE	Sec. 18	T. 7 South	R. 21 East				

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office 170 South 500 East Vernal, Utah 84078-2799

Phone: (435) 781-4400 Fax: (435) 781-4410

IN REPLY REFER TO: 3160 UT08300

June 13, 2002

Shenandoah Energy Inc. ATTN: John Busch 11002 East 17500 South Vernal, Utah 84078

> RE: Application for Permit to Drill Well No. 1HG-18-7-21 Brennan Bottoms Unit Lease No. UTUSL-071745 & U-046

Dear John:

Enclosed are two approved copies for the above referenced well.

If you have any questions concerning APD processing, please let me know.

Sincerely,

Pat Sutton

Legal Instruments Examiner

Enclosures

004

BRENNAN BOTTOMS 3. Laste Name and Well No. BRENNAN BOTTOMS UNIT 1HG-18-7- BRENNAN BOTTOMS UN	BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENT 15. Type of Work: DRILL DREENTER DNITT DE 15. Type of Work: DRILL DREENTER Contact: 2. Name of Operant SHENANDOAH ENERGY INC. 34. Accress: 11002 S. 17500 S. VERNAL, UT 84078 4. Location of Well Report location clearly and in accordance with any State requirement At surface NENE 702FNL 601FEL At proposed producene SWSE 66CFNL 1500FEL 14. Distance in miles and inventors from propose offices 16 -1/4 MILES NORHTWEST OF REDWASH, UTAH 15. Distance from proposed location to nearest property of lease line, 9. Also to matters might may line, 17 and 18. Proposed Depth completed, applied for, on this lease, 3. 18. Distance from proposed location to nearest property of lease line, 9. Also to matters might mit line, 17 and 19. Proposed Depth completed, applied for, on this lease, 3. 18. Distance from proposed location to nearest vell, drilling, completed, applied for, on this lease, 3. 18. Distance from proposed location to mearest vell, drilling, completed, applied for, on this lease, 3. 18. Distance from proposed location to mearest vell, drilling, completed, applied for, on this lease, 3. 18. Distance from proposed location to mearest vell, drilling, completed, applied for, on this lease, 3. 18. Distance from proposed location to mearest vell, drilling, completed, applied for, on this lease, 3. 18. Distance from proposed location to mearest vell, drilling, completed, applied for, on this lease, 3. 20. Approximate date work 4717 KB	UTSL071745 3. If Incian, Allorec or Tribe Name N/A 3. If Units or CA Agreement, Name and No. BRENNAN BOTTOMS 3. Lease Name and Well No. BRENNAN BOTTOMS UNIT 1HG-18-7 Senery, SCO. 3. API Well No.
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BRENNAN BOTTOMS In Type of National Contract Of Na	b. Type of Wall: St. Ou Well Gas Well Other Single for Name of Operator Shenandoan Energy Inc. Contact: John Busch E-Main Justic Septembries 11002 \$. 17500 \$. Jb. Phone No. include the proposed in the proposed produced of Sweet 1602 \$. 17500 \$. Ph.: 435.781.4321 Ph.: 435.781.4321 Ph.: 435.781.4322 Ph.: 435.781.4322	BRENNAN BOTTOMS 3. Lease Name and Well No. BRENNAN BOTTOMS UNIT 1HG-18-7 anercy.com 3. API Well No.
b. Type of Wall: St. Out Well Gas Well G	Name of Operator SHENANDCAH ENERGY INC. Accress 11002 \$\frac{1}{2}\$. 17500 \$\frac{1}{2}\$. VERNAL, UT \$\frac{1}{2}\$4078 Location of Well (Report location descript and in accordance with any Sease requirement at surface. NENE 702FNL 691FEL At proposed production \$\frac{1}{2}\$506FNL 1500FEL Distance in males and direction from magnets fown or past officed 16 -/2 MiLES NORHTWEST OF REDWASH, UTAH S. Distance from proposed location to nearest property or lease time, the Alao to magnets originally magnets from the proposed location to nearest property or lease time, the Alao to magnets originally magnets from the proposed location to nearest property or lease time, the Alao to magnets originally magnets from proposed location to magnets well, drailing, completed, applied for, on this lease, the 10550 MC 6575 TVD 21. Elevations Show whether DF, NB, RT, GL, etc. 4717 NB	Ennant BRENNAN BOTTOMS UNIT 1HG-18-7 O. API Well No.
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Ph: 435.781.4321 Lossinon of Well Report location users and in accordance with any State requirement.*) At surface NENE 702FNL 691FEL At purposed productors SWSE 360FNL 1500FEL 1 Distance in miles and acreation material own or personal form of the state of the	VERNAL, UT \$4078 Ext. 435.781,4323	to court 10. Piete and Pool, or Exploratory
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1. Elevations Show whether DF, KB, RT, GL, etc. 2. Approximate date work will start 2. Annuchments 3. Estimated duration 20+ DAYS 2. Annuchments 4. Bond to cover the operation in scales covered by an existing bond on file (see from 10 above). 3. Surface Use Plan if the location is on Nanoral Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Offset. 3. Signature 3. Name (Praised Typed) 3. Signature 3. Manuchments 4. Bond to cover the operation in scales covered by an existing bond on file (see from 10 above). 5. Operator conditions 5. Operator conditions 5. Operator conditions 6. Operator condi	1800" = - 10550 MC 6575 TVD 1. Elevations Show whether DF, KB, RT, GL, etc. 12. Approximate date work 4717 KB	20. BLM BIA Send No. on file
23. Estamated duration 20+ DAYS 24. Attachments 15. Signature 15. Signature 16. Signature 17. Name (Printed Typed) 17. JOHN BUSCH 17. Name (Printed Typed) 17. Name (Printed Typed) 17. Name (Printed Typed) 17. Name (Printed Typed) 17. Assistant Field Manager 17. Operations 17. Signature 18. Signature 19. S	1). Elevations Show whether DF, KB, RT, GL, etc. 12. Approximate date work 4717 KB	U-0269
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Title OPERATIONS OPERATIONS Name (Practical Typed) Name (Practical Typed) Office Minoral Resources Explication approval also bette arranged applicant holds legal or equilible title to those rights at the subject which would create the applicant to eccadual consists at errors. Ordinates of improval if any, are attached.	A Drilling Pixe.	liem 10 aboves. 5. Operator conditioned 5. Such other site specific in communon and or plans as may be required by the
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Minoral Resources Personal and a second or second to be applicant holds legal or equilible title to those regals at the subject of a second or second to be applicant to be added to the applicant of the applicant to be added to the applicant to be applicant to be added to the applicant to th		
Minoral Resources ppleution approval also not warrant or issue, the applicant holes legal or equipple title to those mants or the subject. The applicant to dendur renders thereon. Sentiments of approval if any, are interior.	Source R Volument	06/11/2
pplication approval alies and a fertile of agraphicant holds legal or requiable after to those regards to the subject to see which would ende the applicant to school and the resonance of the approval of any are attached.		
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the control of the co		the land of the analytically a make to any time ordered as somey of the Lest

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Electronic Submission #11095 verified by the BLM Well information System For SHENANDOAH ENERGY INC., will be sent to the Vernal

JUN 17 2002

DIVISION OF OIL, GAS AND MINING

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED



Well No.: Brennan Bottoms1HG-18-7-21

CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator: Shenandoah Energy Inc.
Well Name & Number: Brennan Bottoms 11HG-18-7-21
API Number: 43-047-34565
Lease Number: <u>U-406, UTSL-071745</u>
Location: NENE Sec. 18 T.7S R. 21E
Agreement: Brennan Bottoms Unit

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

Casing Program and Auxiliary Equipment

As a minimum requirement, the cement behind the intermediate casing must extend 200' above the top of the Green River formation identified at ± 3530 '.

Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

COAs Page 2 of <u>3</u> Well No.: Brennan Bottoms1HG-18-7-21

Other Information

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman

(435) 828-7874

Petroleum Engineer

Kirk Fleetwood

(435) 828-7875

Petroleum Engineer

BLM FAX Machine (435) 781-4410

COAs Page 3 of 3 Well No.: Brennan Bottoms1HG-18-7-21

CONDITIONS OF APPROVAL FOR THE SURFACE USE PROGRAM OF THE APPLICATION FOR PERMIT TO DRILL

- -Burrowing Owl Stipulation, No construction or drilling form April 1- Aug. 15
- -Construction of water diversion dam on SW corner of location to divert runoff around pad



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

IN REPLY REFER TO UT-922

June 9, 2003

QEP Uinta Basin, Inc. 1050 17th Street, Suite 500 Denver, Colorado 80265

Re:

Brennan Bottom Unit Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed it name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Brennan Bottom Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)

SITLA

Division of Oil, Gas & Mining Minerals Adjudication Group

File - Brennan Bottom Unit (w/enclosure)

Agr. Sec. Chron Fluid Chron

UT922:TAThompson:tt:6/9/03

SEI (N4235) to QEP (N2460)

well_name	Sec	T	R	api DOGM	Entity		type	stat		unit_name
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OU GB 1G-19-8-22	19	080S	220E	4304734696	13727	Federal	OW	DRL	С	GLEN BENCH EN
STIRRUP U 8W-34-7-21	34	070S	210E	4304734707		Federal	GW	APD	C	STIRRUP

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 2000

005

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No. UTSL071745

SUBMIT IN TRIPLICATE - Other Instructions on reverse side. 1. Type of Well 2. Name of Operator SHENGWOVAH Contact: RALEEN SEARLE E-Mail: raleen.searle@questa	10. Field and Pool, or Exploratory BRENNAN BOTTOM 11. County or Parish, and State UINTAH COUNTY, UT				
2. Name of Operator SHENDOUTH Contact: RALEEN SEARLE E-Mail: raleen.searle@questa 3a. Address 11002 EAST 17500 SOUTH P: 435.781.4309 Fx: 435.781.4309 Fx: 435.781.4329 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T7S R21E NENE 702FNL 691FEL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE O TYPE OF SUBMISSION TYPE Notice of Intent Acidize Deepen Report Alter Casing Fracture Treat New Construction Report Casing Repair New Construction Plug Back 3. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated sta If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and me Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/ following completion of the involved operations. If the operation results in a multiple completion or testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including state and requirements, including has been completed. Final Abandonment Notices shall be filed only after all requirements, including the completion or testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including the completion or testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including the completion or testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including the completed of the involved operations. If the operation results in a multiple completion or testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including the completed operations.	BRENNAN BOTTOM 1HG-18-7-21 9. API Well No. 43-047-34565 10. Field and Pool, or Exploratory BRENNAN BOTTOM 11. County or Parish, and State UINTAH COUNTY, UT				
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TYPE OF SUBMISSION Acidize Deepen Alter Casing Fracture Treat Casing Repair New Construction Change Plans Convert to Injection Plug and Abandon Convert to Injection Plug Back Convert to Injection Deepen Report	F NOTICE, REPORT, OR OTHER DATA				
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☐ Final Abandonment Notice ☐ Change Plans ☐ Plug and Abandon☐ Convert to Injection ☐ Plug Back Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated stall fit the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and me Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/following completion of the involved operations. If the operation results in a multiple completion or testing has been completed. Final Abandonment Notices shall be filed only after all requirements, inc	☐ Reclamation ☐ Well Integrity				
Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated state of the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and me Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/following completion of the involved operations. If the operation results in a multiple completion or testing has been completed. Final Abandonment Notices shall be filed only after all requirements, incompletion of the involved operations.	☐ Recomplete ☑ Other				
Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated stall if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and me Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/ following completion of the involved operations. If the operation results in a multiple completion or testing has been completed. Final Abandonment Notices shall be filed only after all requirements, incompleted.	☐ Temporarily Abandon				
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and me Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/following completion of the involved operations. If the operation results in a multiple completion or testing has been completed. Final Abandonment Notices shall be filed only after all requirements, inc	☐ Water Disposal				
COPY SENT TO OPERATOR Date: 07-03-03 Initiate: CHO	the of ning				
4. I hereby certify that the foregoing is true and correct. Electronic Submission #23724 verified by the BLM V For QEP - UINTA BASIN INC, sent to the sent to th	the Vernal				
Name (Printed/Typed) RALEEN SEARLE Title REGULATORY AFFAIRS ANALYST					
Signature Pallen Seall Date 06/2	7/2003				
THIS SPACE FOR FEDERAL OR STAT	TE OFFICE USE				
Approved By Title					
inditions of approval, if any, are attached. Approval of this notice does not warrant or retify that the applicant holds legal or equitable title to those rights in the subject lease nich would entitle the applicant to conduct operations thereon. Office the 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly	Date				

CONFIDENTIAL

Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-34565	
Well Name: BRENNAN BOTTOM Location: 1HG-18-7-21	
Company Permit Issued to: SHENANDOAH ENERGY	INC.
Date Original Permit Issued: 6/11/2002	
The undersigned as owner with legal rights to drill on the above, hereby verifies that the information as submitted approved application to drill, remains valid and does not be about 10 to 10	d in the previously
Following is a checklist of some items related to the apverified.	plication, which should be
If located on private land, has the ownership changed, agreement been updated? Yes □ No ☑	if so, has the surface
Have any wells been drilled in the vicinity of the proposithe spacing or siting requirements for this location? Yes	
Has there been any unit or other agreements put in pla permitting or operation of this proposed well? Yes□No	
Have there been any changes to the access route incluors-way, which could affect the proposed location? Yesl	
Has the approved source of water for drilling changed?	? Yes□No ☑
Have there been any physical changes to the surface I which will require a change in plans from what was dis evaluation? Yes□No☑	ocation or access route cussed at the onsite
Is bonding still in place, which covers this proposed we	ell? Yes ☑No □
Kaleen Seale	6/27/2003
Signature	Date
Title: REGULATORY AFFAIRS ANALYST	
Representing: SHENANDOAH ENERGY INC.	RECEIVED
	III a 1 2002
	JUL 0 1 2003

OPERATOR CHANGE WORKSHEET

1. GLH 2. CDW 3. FILE

006

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has char	nged,	effectiv	e:		2/	1/2003			7
FROM: (Old Operator):				TO: (New (Operator):				1
N4235-Şhenandoah Energy Inc				N2460-QEP	Uinta Basin	Inc		<u></u>	1
11002 E 17500 S				11002	E 17500 S				1
Vernal, UT 84078-8526				Verna	I, UT 84078	3-8526			
Phone: (435) 781-4341				Phone:	(435) 781-	4341			
CA No.	•			Unit:					1
WELL(S)									1
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Cor
BRENNAN BOTTOM UNIT	 	<u> </u>	<u> </u>					 	+
BRENNAN BOTTOM 1HG-18-7-21	18	070S	210E	4304734565		Federal	ow	APD	C
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GLEN BENCH UNIT OU GB 1G-19-8-22	10	0000	2205	4204724606	12727	E 1 1	OW	DDI	<u>_</u>
OU GB 1G-19-8-22	19	080S	220E	4304734696	13727	Federal	OW	DRL	C
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STIRRUP UNIT	<u> </u>				 		<u> </u>	 	T
STIRRUP U 8W-34-7-21	34	070S	210E	4304734707		Federal	GW	APD	C
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OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was received. 2. (R649-8-10) Sundry or legal documentation was received. 3. The new company was checked on the Department of	eived :	from the	e NEV	operator on:	6/2/2003	-	_	6/19/2003	3_
4. Is the new operator registered in the State of Utah:			YES	Business Nun	nber: 52	292864-0	151		
5. If NO, the operator was contacted contacted on:									

6. (R649-9-2)Waste Management Plan has been received on:	IN PLACE
7. Federal and Indian Lease Wells: The BLM and or the or operator change for all wells listed on Federal or Indian leases	
8. Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for	or wells listed on: 7/21/2003
 Federal and Indian Communization Agreements (' The BLM or BIA has approved the operator for all wells listed to the operator for all well all listed to the operator for all wells listed to the operator for all well all listed to the operator for all listed to the op	
10. Underground Injection Control ("UIC") The D for the enhanced/secondary recovery unit/project for the water dis	Division has approved UIC Form 5, Transfer of Authority to Injec sposal well(s) listed on:
DATA ENTRY:	
1. Changes entered in the Oil and Gas Database on:	9/11/2003
2. Changes have been entered on the Monthly Operator Change S	pread Sheet on: <u>9/11/2003</u>
3. Bond information entered in RBDMS on:	n/a
4. Fee wells attached to bond in RBDMS on:	n/a
STATE WELL(S) BOND VERIFICATION: 1. State well(s) covered by Bond Number:	965-003-032
FEDERAL WELL(S) BOND VERIFICATION: 1. Federal well(s) covered by Bond Number:	ESB000024
INDIAN WELL(S) BOND VERIFICATION: 1. Indian well(s) covered by Bond Number:	799446
FEE WELL(S) BOND VERIFICATION: 1. (R649-3-1) The NEW operator of any fee well(s) listed covered by	by Bond Number 965-003-033
2. The FORMER operator has requested a release of liability from the Division sent response by letter on:	heir bond on: <u>n/a</u> n/a
LEASE INTEREST OWNER NOTIFICATION: 3. (R649-2-10) The FORMER operator of the fee wells has been confidence of their responsibility to notify all interest owners of this change of	
COMMENTS:	

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

5. Lease Serial No. UTSL071745

	SUNDRY NOTICES AND REPORTS ON WELLS
	Do not use this form for proposals to drill or to re-enter an
007	abandoned well. Use form 3160-3 (APD) for such proposal

6. If Indian, Allottee or Tribe Name

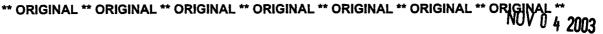
7 abandoned wei						
SUBMIT IN TRI	7. If Unit or CA/Agreement, Name and/or No. BRENNAN BOTTOM					
Type of Well ☐ Gas Well ☐ Oth	ner			8. Well Name and No. BRENNAN BOTT	OM 1HG-1 2 -7-21	
2. Name of Operator Contact: RALEEN SEARLE E-Mail: raleen.searle@questar.com				9. API Well No. 43-047-34565		
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078		3b. Phone No. (include area code) Ph: 435.781.4309 Fx: 435.781.4329		10. Field and Pool, or Exploratory BRENNAN BOTTOM		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)			I	11. County or Parish, and State		
Sec 18 T7S R21E NENE 702			UINTAH COUNTY, UT			
	0 2002			_		
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA						
TYPE OF SUBMISSION	By TYPE OF ACTION					
☑ Notice of Intent	☐ Acidize	□ Deepen	☐ Producti	ion (Start/Resume)	□ Water Shut-Off	
	☐ Alter Casing	☐ Fracture Treat	☐ Reclama	ation	☐ Well Integrity	
☐ Subsequent Report	Casing Repair	□ New Construction	☐ Recomp	lete	☑ Other	
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon			
	☐ Convert to Injection	☐ Plug Back	☐ Water D	Disposal		
13. Describe Proposed or Completed Ope	eration (clearly state all pertinen	t details, including estimated starting	date of any pr	oposed work and approx	imate duration thereof.	

QEP - Uinta Basin Inc. hereby requests an one year extension on the BB 1HG-17-7-21.

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #23724 verified For QEP - UINTA BASIN	by the	BLM Well Information System ent to the Vernal				
Name (Printed/Typed) RALEEN SEARLE	Title	itle REGULATORY AFFAIRS ANALYST				
Signature Rallen Searle	Date	Date 06/27/2003				
THIS SPACE FOR FEDERAL OR STATE OFFICE USE						
Approved By A. I. J. C.	h.	Retroleum Engineer	Date 10/16/03			
Approved By Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		ffice				
Title 10 M C C and a 1001 and Title 42 M C C Section 1212 make it a crime for any negron browningly and willfully to make to any department or agency of the United						

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.





^{13.} Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

QEP- Uintah Basin Inc. APD Extension

Well: Brennan Bottom 1HG-18-7-21 Location: NENE Sec. 18, T7S, R21E

Lease: U-071745

CONDITIONS OF APPROVAL

An extension for the referenced APD is granted with the following conditions:

1. The extension will expire 6/11/04

2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood of this office at (435) 781-4486



State of Utah

Department of Natural Resources

ROBERT L. MORGAN Executive Director

Division of Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

July 16, 2004

Julie Black QEP Uinta Basin Inc. 11002 East 17500 South Vernal, Utah 84078

Re: APD Rescinded – Brennan Bottom Unit 1HG-18-7-21, Sec. 18, T. 7S, R. 21E, Uintah County, Utah API No. 43-047-34565

Dear Ms. Black:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on June 10, 2002. On July 1, 2003, the Division granted a one-year APD extension. On July 14, 2004, you requested that the division rescind the state approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective July 14, 2004.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Mina Whitney

Engineering Technician

cc: Well File

Bureau of Land Management, Vernal





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office 170 South 500 East Vernal, UT 84078 (435) 781-4400 Fax: (435) 781-4410

http://www.blm.gov/utah/vernal

IN REPLY REFER TO: 3160 UT08300

August 19, 2004

Jan Nelson QEP-Uinta Basin, Inc. 11002 East 17500 South Vernal, UT 84078

Re:

A3.047.34565 Notification of Expiration Well No. BB 1HG-18-7-21 NENE, Sec. 18, T7S, R21E Uintah County, Utah

Lease No. UTU-046 Brennan Bottom Unit

Dear Ms. Nelson:

The Application for Permit to Drill the above-referenced well was approved on June 11, 2002. A one (1) year extension of the original APD was requested. The request was reviewed and the extension approved until June 11, 2004. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Leslie Walker

Legal Instruments Examiner

eslie Walker

cc: UDOGM

RECEIVED AUG 2 3 2004